

## Chris Harvey

---

**From:** Patty Huang [mltlab@seed.net.tw]  
**Sent:** Tuesday, April 20, 2004 11:02 AM  
**To:** Chris Harvey  
**Cc:** Country Huang  
**Subject:** Fw: Additional Information needed AN04T3802 FCC ID: REUWI011RE

**Importance:** High



manualr2.pdf (356  
KB)

Chris,

As attachment please find as you request. I hope it is as you wish. Let us know if you have any questions. Have a good day.

Patty

> ----- Original Message -----  
> From: <mltlab@seed.net.tw>  
> To: "Chris Harvey" <Chrisharveyemc@comcast.net>  
> Cc: "'Country Huang'" <tech@mlt.com.tw>; "'Chris Harvey'"  
> <charvey-tcb@CCSEMC.com>; <patty@mltlab.com.tw>  
> Sent: Monday, April 19, 2004 11:31 PM  
> Subject: RE: Additional Information needed AN04T3802 FCC ID: REUWI011RE  
>  
>  
> >  
> > Dear Chris,  
> >  
> > Noted. I will ask our people to replace the following text as you  
> suggested on  
> > page 4 of 20 in pdf user manual and hope it will be done. Will send  
> > the  
> > user  
> > manual with your suggustion A.S.A.P.  
> >  
> > Federal Communications Commission (FCC) RF Exposure Requirements  
> > This equipment complies with FCC radiation exposure limits set forth  
> > for  
> > an  
> > uncontrolled environment. This device is provided with an external  
antenna  
> > and minimum 20 cm spacing must be maintained between this PC  
Card/antenna  
> > and all person's body (excluding extremities of hands, wrist and  
> > feet) during wireless mode of operation. Further, this transmitter  
> > must not be co-located or operated in conjunction with any other  
> > antenna or  
> transmitter.  
> >

> > Please let us know if you still have any further questions. Thanks

> > a

lot.

> >

> > With Best Regards,

> > Patty Huang

> >

> >

> >

> > ?? Chris Harvey <Chrisharveyemc@comcast.net>:

> >

> > > Patty, it looks like you removed too much information from the original

> > > manual. I would like to suggest the following text in order to be

> consistent

> > > with the rest of the application, although you can change this

> information if

> > > you wish.

> > >

> > >

> > >

> > > Federal Communications Commission (FCC) RF Exposure Requirements

> > >

> > > This equipment complies with FCC radiation exposure limits set

> > > forth

for

> an

> > >

> > > uncontrolled environment. This device is provided with an external

> antenna

> > >

> > > and minimum 20 cm spacing must be maintained between this PC

> Card/antenna

> > >

> > > and all person's body (excluding extremities of hands, wrist and

> > > feet)

> > >

> > > during wireless mode of operation. Further, this transmitter must

> > > not

be

> > > co-located

> > >

> > > or operated in conjunction with any other antenna or transmitter.

> > >

> > >

> > >

> > > Please replace the current text on the top of page 4 of 20 in the

> > > pdf manual.

> > >

> > >

> > >

> > > Best regards,

> > >

> > >

> > >

> > > Chris Harvey

> > >

> > >

> > >

> > > -----Original Message-----  
> > > From: Patty Huang [mailto:mltlab@seed.net.tw]  
> > > Sent: Friday, April 16, 2004 7:36 PM  
> > > To: Chris Harvey  
> > > Cc: Country Huang  
> > > Subject: Fw: Additional Information needed AN04T3802 FCC ID:  
REUWI011RE  
> > > Importance: High  
> > >  
> > >  
> > >  
> > > Dear Chris,  
> > >  
> > >  
> > >  
> > > As attachment reviewed user manual as your request please find.  
Thanks.  
> > >  
> > >  
> > >  
> > > Please let us know if it is accepted . Thanks for  
> > >  
> > > your attention.  
> > >  
> > >  
> > >  
> > > Have a good weekend.  
> > >  
> > >  
> > >  
> > > Regards,  
> > >  
> > > Patty Huang  
> > >  
> > > ----- Original Message -----  
> > >  
> > > From: Patty Huang <mailto:mltlab@seed.net.tw>  
> > >  
> > > To: Chris <mailto:Chrisharveyemc@comcast.net> Harvey  
> > >  
> > > Cc: 'Country Huang' <mailto:tech@mlt.com.tw> ; 'Chris  
> > > <mailto:charvey-tcb@CCSEMC.com> Harvey'  
> > >  
> > > Sent: Friday, April 16, 2004 12:00 AM  
> > >  
> > > Subject: Re: Additional Information needed AN04T3802 FCC ID:  
REUWI011RE  
> > >  
> > >  
> > >  
> > > Dear Chris,  
> > >  
> > >  
> > >  
> > > Thanks for your reply. For user manual revise as you request, will  
keep  
> you  
> > > informed once it is available.  
> > >

> > >  
> > >  
> > > Patty  
> > >  
> > > ----- Original Message -----  
> > >  
> > > From: Chris <mailto:Chrisharveyemc@comcast.net> Harvey  
> > >  
> > > To: 'Patty Huang' <mailto:mltlab@seed.net.tw>  
> > >  
> > > Cc: 'Country Huang' <mailto:tech@mlt.com.tw> ; 'Chris  
> > > <mailto:charvey-tcb@CCSEMC.com> Harvey'  
> > >  
> > > Sent: Wednesday, April 14, 2004 11:28 PM  
> > >  
> > > Subject: Fw: Additional Information needed AN04T3802 FCC ID:  
REUWI011RE  
> > >  
> > >  
> > >  
> > > Patty, I have reviewed the test report and can now accept that  
document.  
> > >  
> > >  
> > >  
> > > However the Users Manual statements still have the same problem  
> > > from  
the  
> > > original Request which I have copied below. Both conflicting RF  
Safety  
> > > statements are still in the new Manual (pages 3 and 4) and the  
> description of  
> > > Internal Antenna is still in the 2nd statement. Please correct  
> > > this  
by  
> > > removing the 1st statement and remove the statement about internal  
> antenna,  
> > > since this has an external antenna.  
> > >  
> > >  
> > >  
> > >  
> > >  
> > >  
> > > Original Request:  
> > >  
> > > 1. There are 2 conflicting statements for RF exposure in the Users  
> Manual.  
> > > The first statement implies that  
> > >  
> > > this device can be operated at a separation distance to the body  
> > > of  
2.5  
> cm,  
> > > which would put this into the  
> > >  
> > > Portable category for FCC RF Exposure compliance (and then SAR  
> > > would  
be  
> > > required). Since this device is

> > >  
 > > > not likely to be used at less than 20 cm separation to the body,  
 > > > the  
 > second  
 > > > statement is more appropriate (and  
 > > >  
 > > > the MPE calculation shows compliance as a Mobile category device).  
 > > > If  
 > you  
 > > > keep the second statement,  
 > > >  
 > > > please remove the reference to an 'internal antenna' as this  
 > > > device  
 has  
 > an  
 > > > antenna that is located external to the  
 > > >  
 > > > PC enclosure. I have copied the 2 statements here for your  
 > > > reference:  
 > > >  
 > > > 1st statement:  
 > > >  
 > > > Federal Communications Commission (FCC) Radiation Exposure  
 > > > Statement  
 > > >  
 > > > This equipment complies with FCC radiation exposure set forth for  
 > > > an  
 > > >  
 > > > uncontrolled environment. In order to avoid the possibility of  
 exceeding  
 > the  
 > > >  
 > > > FCC radio frequency exposure limits, human proximity to the  
 > > > antenna  
 > shall  
 > > >  
 > > > not be less than 2.5cm (1 inch) during normal operation.  
 > > >  
 > > > 2nd statement:  
 > > >  
 > > > Federal Communications Commission (FCC) RF Exposure Requirements  
 > > >  
 > > > This equipment complies with FCC radiation exposure limits set  
 > > > forth  
 for  
 > an  
 > > >  
 > > > uncontrolled environment. This device is provided with an internal  
 > antenna  
 > > >  
 > > > and minimum 20 cm spacing must be maintained between this PC Card  
 > > >  
 > > > and all person's body (excluding extremities of hands, wrist and  
 > > > feet)  
 > > >  
 > > > during wireless mode of operation. Further, this transmitter must  
 > > > not  
 be  
 > > > colocated

> > >  
> > > or operated in conjunction with any other antenna or transmitter.  
> > >  
> > >  
> > >  
> > >  
> > >  
> > > Best regards,  
> > >  
> > >  
> > >  
> > > Chris Harvey  
> > >  
> > >  
> > >  
> > > -----Original Message-----  
> > > From: Patty Huang [mailto:mltlab@seed.net.tw]  
> > > Sent: Thursday, April 08, 2004 9:52 PM  
> > > To: Chris Harvey  
> > > Cc: Country Huang  
> > > Subject: Fw: ??? ? Fw: Additional Information needed AN04T3802 FCC  
ID:  
> > > REUWI011RE  
> > > Importance: High  
> > >  
> > >  
> > >  
> > > Dear Chris,  
> > >  
> > >  
> > >  
> > > As you request, please find our answer as following. Thanks.  
> > >  
> > >  
> > >  
> > > Q #1:  
> > >  
> > > The revised statements in page 4 of user's manual.  
> > >  
> > >  
> > >  
> > > Q #2:  
> > >  
> > > For test equipment as you request, it was already recorded on  
> > > report  
> > >  
> > > previously only  
> > >  
> > > marked unclearly. Whatever we modified the report and please find  
> > > it  
on  
> page  
> > >  
> > > 20 of report.  
> > >  
> > >  
> > >  
> > > We also modified the test frequency range on Page 18-20 and 26-31  
> > > of  
> report  
> > >

>>> please find.  
>>>  
>>>  
>>>  
>>>  
>>>  
>>> Q #3:  
>>>  
>>> Please find Page 34-36 of report was revised.  
>>>  
>>>  
>>>  
>>> Q #5:  
>>>  
>>> The detail at the band edge was provided on Page 15 of report  
>>> please  
> find.  
>>>  
>>>  
>>>  
>>> Q#6:  
>>>  
>>> Modified. please refer on page 18-20 and 26-31 of report.  
>>>  
>>>  
>>>  
>>> Please feel free to contact with us if you have any questions.  
>>> Thanks.  
>>>  
>>> At the meantime, please also let us know if it is accepted.  
>>> Thanks.  
>>>  
>>>  
>>>  
>>> With Best Regards,  
>>>  
>>> Patty Huang  
>>>  
>>>  
>>>  
>>>  
>>>  
>>> ----- Original Message -----  
>>>  
>>> From: "Country Huang" <tech@mlt.com.tw>  
>>>  
>>> To: <mltlab@seed.net.tw>  
>>>  
>>> Sent: Thursday, April 08, 2004 9:13 PM  
>>>  
>>> Subject: Re: ??? ? : Fw: Additional Information needed AN04T3802 FCC  
ID:  
>>>  
>>> REUWI011RE  
>>>  
>>>  
>>>  
>>>  
>>>  
>>>>>> ??? Chris Harvey <Chrisharveyemc@comcast.net>:  
>>>  
>>>>>>

> > >  
 > > > > > Country, I will try to respond by the question numbers from  
 > > > > > the  
 > > >  
 > > > original  
 > > >  
 > > > > > request of 3/28/2004:  
 > > >  
 > > > > >  
 > > >  
 > > > > > 1) I will wait for the revised user's manual statements to  
 > > > > > be  
 > > >  
 > > > submitted  
 > > >  
 > > > > by  
 > > >  
 > > > > > your client.\  
 > > >  
 > > > >  
 > > >  
 > > >  
 > > >  
 > > >  
 > > >  
 > > > > > 2) Since your test report needs to be revised anyway, please  
 > include  
 > > >  
 > > > the  
 > > >  
 > > > > > revised statements as requested. For the Test Equipment  
 > > > > > list,  
 > the  
 > > >  
 > > > > antennas  
 > > >  
 > > > > > listed appear not to be capable of measuring to 25GHz. Were  
 other  
 > > >  
 > > > > antennas  
 > > >  
 > > > > > used? Was other equipment, such as high frequency  
 pre-amplifiers  
 > > >  
 > > > used?  
 > > >  
 > > > >  
 > > >  
 > > >  
 > > >  
 > > > > > 3) The Power Integration method is good. Can you include  
 > > > > > this  
 > > >  
 > > > > information in  
 > > >  
 > > > > > the revised report?  
 > > >  
 > > > >  
 > > >



> > >  
 > > >  
 > > > > > 5) The plots do not show the detail at the band edge. The  
 > > > > > plot  
 > on  
 > > >  
 > > > page  
 > > >  
 > > > > 50  
 > > >  
 > > > > > displays 1-2.4GHz, which is 140MHz per division. Please  
 > > > > > provide  
 a  
 > > >  
 > > > plot  
 > > >  
 > > > > of  
 > > >  
 > > > > > the lower band edge (2382-2402MHz would be good) while  
 > transmitting at  
 > > >  
 > > > > the  
 > > >  
 > > > > > low channel. This would show the details needed to show  
 > compliance  
 > > >  
 > > > with  
 > > >  
 > > > > the  
 > > >  
 > > > > > requirements.  
 > > >  
 > > > >  
 > > >  
 > > > >  
 > > >  
 > > > > > 6) the tables on pages 26-31 show a limit of 74dBuV/m. The  
 15.209  
 > > >  
 > > > > Average  
 > > >  
 > > > > > Limit is 54dBuV/m @ 3meters. Please revise the report to  
 clearly  
 > > >  
 > > > state  
 > > >  
 > > > > the  
 > > >  
 > > > > > measurement distance, the detector used, the average and  
 > > > > > Peak  
 > limits  
 > > >  
 > > > and  
 > > >  
 > > > > > which emissions are in the restricted bands of 15.205.  
 > > >  
 > > > > >  
 > > >  
 > > >

> > >  
> > >  
> > >  
> > > > > Best regards,  
> > >  
> > > > >  
> > >  
> > > > > Chris Harvey  
> > >  
> > > > >  
> > >  
> > > > >  
> > >  
> > > > >  
> > >  
> > > > >  
> > >  
> > > > > -----Original Message-----  
> > >  
> > > > > From: mltlab@seed.net.tw [mailto:mltlab@seed.net.tw]  
> > >  
> > > > > Sent: Friday, April 02, 2004 11:08 AM  
> > >  
> > > > > To: Charvey-tcb@ccsemc.com  
> > >  
> > > > > Cc: tech@mlt.com.tw  
> > >  
> > > > > Subject: ?????: Fw: Additional Information needed AN04T3802  
> > > > > FCC  
> ID:  
> > >  
> > > > > REUWI011RE  
> > >  
> > > > >  
> > >  
> > > > >  
> > >  
> > > > >  
> > >  
> > > > > Dear Chris,  
> > >  
> > > > >  
> > >  
> > > > > Please kindly find as attachment for our reply in red  
> > > > > letter.  
> > >  
> > > > > Please let us know if you have any questions.  
> > >  
> > > > >  
> > >  
> > > > > With Best Regards,  
> > >  
> > > > > Patty Huang  
> > >  
> > > > >  
> > >  
> > > > >  
> > >  
> > > > > -----  
> > >  
> > > > > This mail sent through Seednet Webmail

```
> > >
> > > > > http://webmail.seed.net.tw
> > >
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> > > > -----
> > >
> > > > This mail sent through Seednet Webmail
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> > > > http://webmail.seed.net.tw
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> > -----
> > This mail sent through Seednet Webmail http://webmail.seed.net.tw
>
```